

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P317082

Luminaire Tested: **GAN-SA8B-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8B-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42635 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

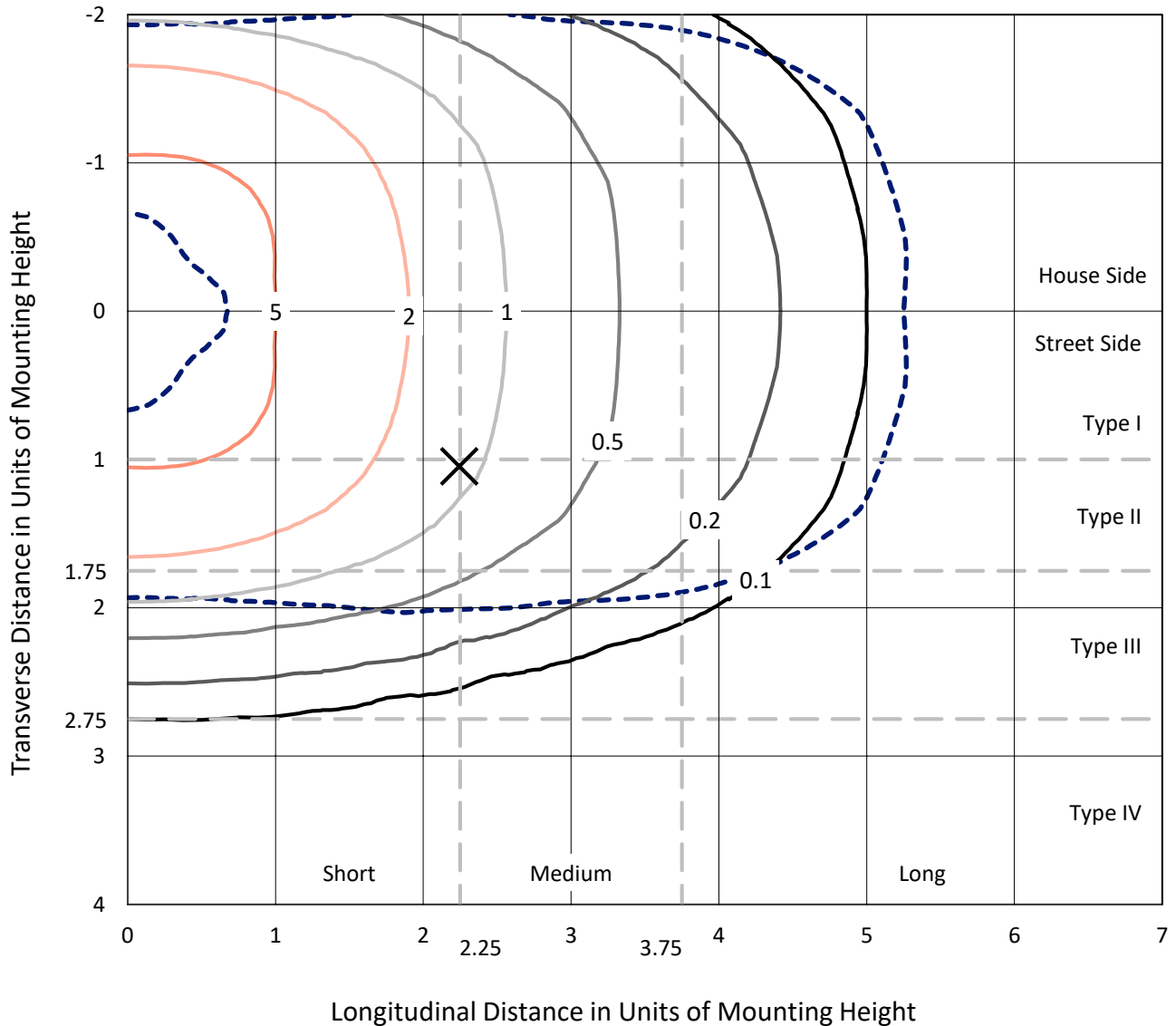
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

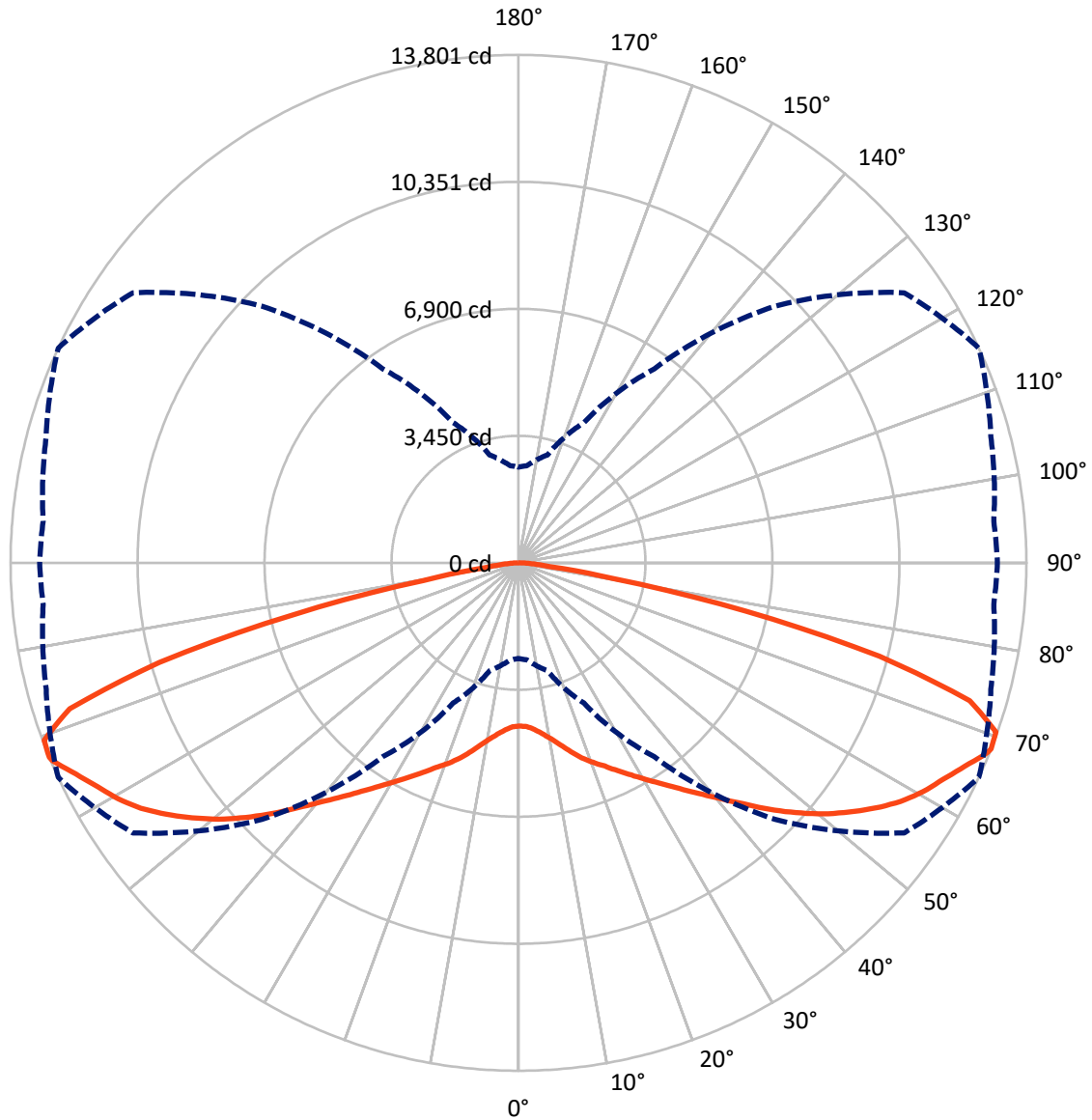
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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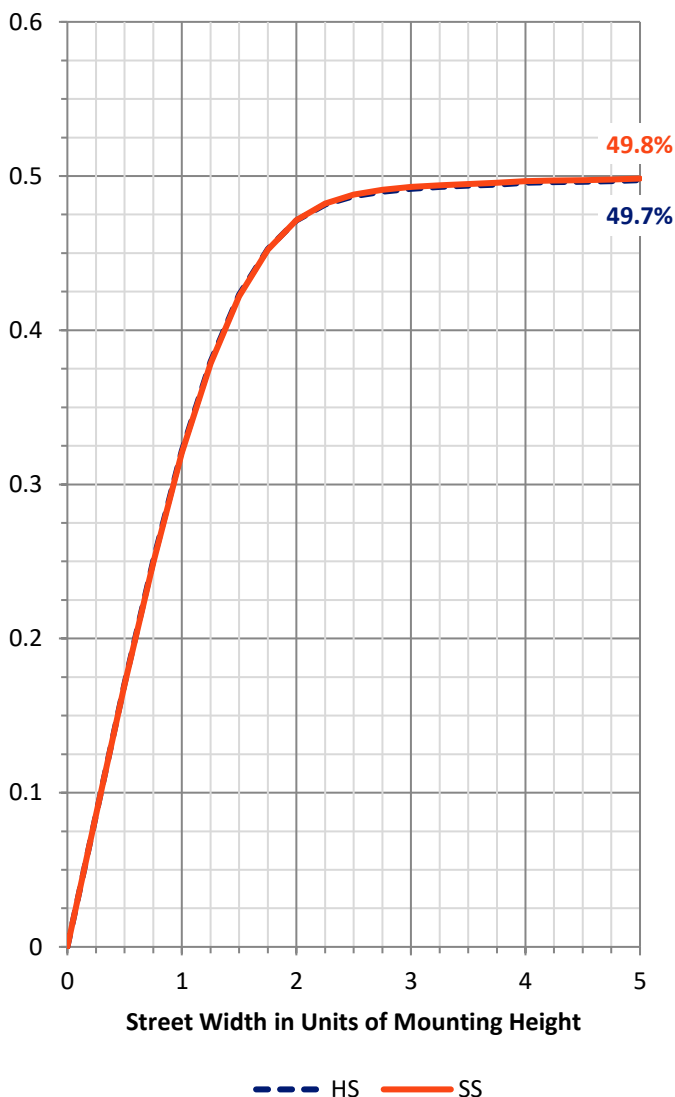
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21317.5	0.0	21317.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21317.5	0.0	21317.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42635.0	0.0	42635.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.0	1.0
10°-20°	1453.3	3.4
20°-30°	2833.6	6.6
30°-40°	4760.2	11.2
40°-50°	7500.3	17.6
50°-60°	10030.4	23.5
60°-70°	9750.8	22.9
70°-80°	5330.3	12.5
80°-90°	542.1	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	42635.0	100.0
0°-180°	42635.0	100.0

Coefficient of Utilization

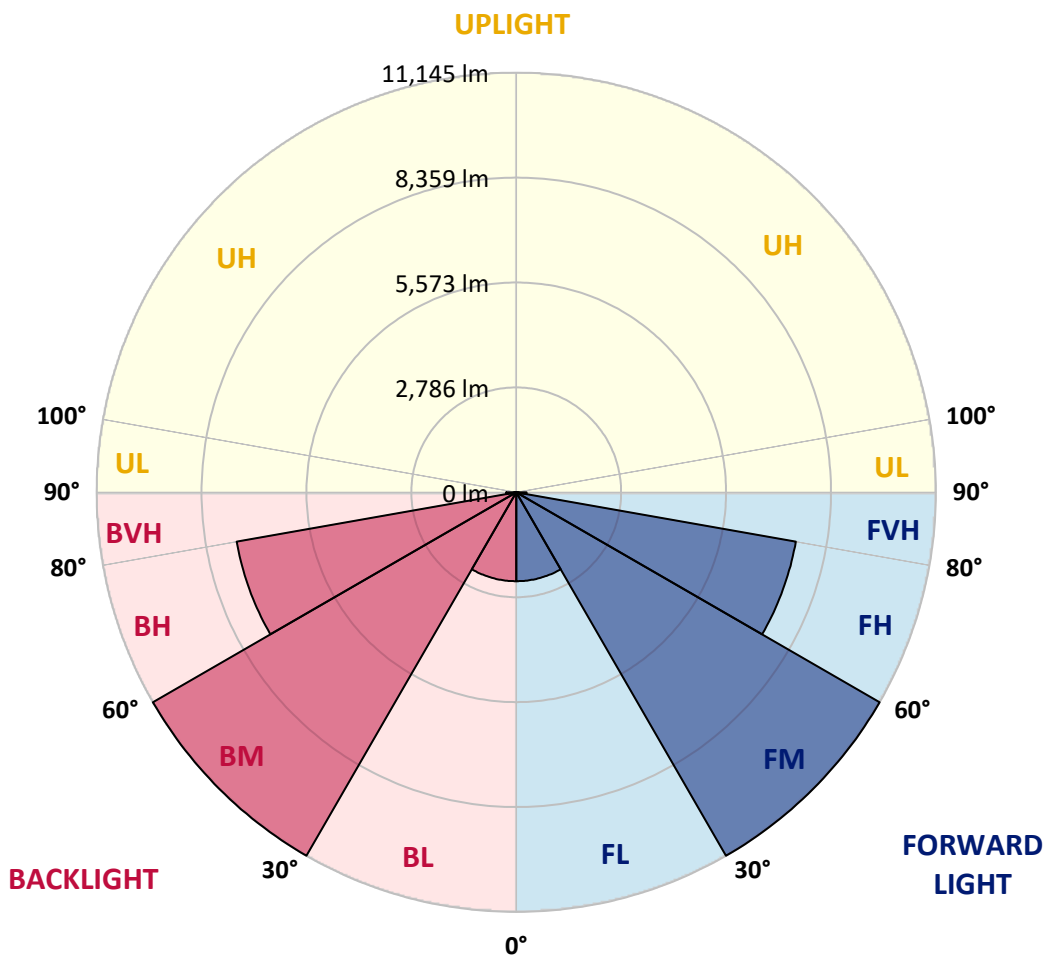


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2360.4	5.5			
FM (30°-60°)	11145.5	26.1			
FH (60°-80°)	7540.6	17.7			G4/12000
FVH (80°-90°)	271.1	0.6			G3/500
BL (0°-30°)	2360.4	5.5	B3/2500		
BM (30°-60°)	11145.5	26.1	B5		
BH (60°-80°)	7540.6	17.7	B5		G5
BVH (80°-90°)	271.1	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4433.0	4433.0	4433.0	4433.0	4433.0	4433.0	4433.0	4433.0	4433.0	4433.0	4433.0
2.5°	4401.6	4403.0	4410.2	4418.7	4425.9	4444.5	4448.8	4455.9	4458.8	4465.9	4465.9
5°	4363.0	4365.8	4383.0	4405.9	4431.6	4477.4	4510.2	4547.4	4566.0	4586.0	4584.6
7.5°	4358.7	4365.8	4390.2	4427.3	4470.2	4546.0	4614.6	4688.9	4739.0	4784.7	4781.8
10°	4403.0	4414.5	4448.8	4504.5	4568.8	4663.2	4764.7	4864.8	4952.0	5022.0	5024.9
12.5°	4470.2	4484.5	4538.8	4623.2	4720.4	4841.9	4962.0	5074.9	5195.0	5299.3	5307.9
15°	4558.8	4577.4	4658.9	4784.7	4933.4	5077.8	5206.4	5322.2	5460.9	5605.3	5619.6
17.5°	4690.4	4716.1	4823.3	4993.4	5189.3	5347.9	5482.3	5569.5	5685.3	5834.0	5861.2
20°	4890.5	4923.4	5059.2	5262.2	5500.9	5666.7	5769.7	5788.3	5845.4	5978.4	6009.8
22.5°	5150.7	5179.3	5330.8	5572.4	5839.7	6019.8	6074.2	5999.8	5994.1	6101.3	6131.3
25°	5440.9	5466.6	5642.4	5914.1	6201.4	6400.1	6398.7	6254.3	6154.2	6237.1	6268.6
27.5°	5766.8	5806.8	5975.5	6261.4	6568.8	6764.6	6753.2	6530.2	6340.1	6361.5	6388.7
30°	6141.3	6185.7	6350.1	6640.3	6947.6	7139.2	7124.9	6830.4	6544.5	6487.3	6507.3
32.5°	6606.0	6658.8	6814.7	7100.6	7372.2	7545.2	7503.7	7156.3	6790.4	6666.0	6684.6
35°	7164.9	7196.4	7360.8	7642.4	7862.5	7981.2	7894.0	7533.7	7102.0	6951.9	6951.9
37.5°	7731.0	7755.3	7939.7	8212.8	8425.8	8488.7	8318.6	7946.9	7509.4	7296.4	7300.7
40°	8274.2	8340.0	8547.3	8827.5	9037.6	9054.8	8828.9	8418.6	7962.6	7742.4	7768.2
42.5°	8841.8	8906.1	9153.4	9470.8	9656.6	9685.2	9420.7	8947.6	8474.4	8295.7	8324.3
45°	9347.8	9399.3	9685.2	10054.0	10285.6	10360.0	10046.9	9553.7	9027.6	8853.2	8860.4
47.5°	9700.9	9768.1	10082.6	10517.2	10854.6	10968.9	10661.6	10144.1	9572.3	9360.7	9379.3
50°	10021.2	10056.9	10375.7	10850.3	11279.2	11515.0	11252.0	10727.3	10122.6	9898.2	9918.2
52.5°	10199.8	10245.6	10554.4	11049.0	11556.5	11936.7	11776.6	11252.0	10654.4	10435.7	10460.0
55°	10075.5	10109.8	10480.0	11093.3	11728.0	12196.9	12221.2	11765.2	11176.2	10984.7	11053.3
57.5°	9509.4	9552.3	10004.0	10807.4	11749.5	12372.8	12555.7	12241.2	11663.7	11507.9	11547.9
60°	8624.5	8651.6	9133.4	10036.9	11332.0	12445.7	12768.7	12630.1	12141.2	11985.4	12039.7
62.5°	7047.7	7087.7	7663.8	8874.7	10450.0	12229.8	12974.6	12951.7	12585.8	12442.8	12491.4
65°	4817.6	4887.6	5525.2	7056.3	9090.5	11569.4	13161.9	13326.3	12978.9	12798.8	12863.1
67.5°	2909.1	2960.6	3422.3	4658.9	6956.2	10237.0	12968.9	13752.3	13256.2	12966.0	13018.9
68°	2600.4	2647.5	3033.5	4204.3	6434.4	9861.0	12793.0	13800.9	13286.2	12963.2	13010.3
70°	1571.1	1602.5	1861.3	2598.9	4290.1	7822.5	11593.7	13760.9	13477.8	13003.2	13030.4
72.5°	1023.6	1033.6	1076.5	1333.8	2191.5	4374.4	8701.7	12823.1	13765.1	13236.2	13231.9
75°	850.6	844.9	849.2	879.2	1080.7	1918.5	5084.9	10129.8	13121.8	12868.8	12778.8
77.5°	719.1	714.8	713.3	714.8	723.4	926.3	2207.2	6310.0	10041.2	11383.5	11463.6
80°	581.8	576.1	594.7	586.1	560.4	576.1	924.9	2624.7	4733.2	5092.1	4771.8
82.5°	423.1	401.7	481.8	458.9	437.4	406.0	510.3	847.7	1129.3	774.8	544.7
85°	325.9	303.1	366.0	351.7	300.2	207.3	303.1	414.6	457.5	261.6	205.9
87.5°	132.9	140.1	264.5	208.7	175.8	100.1	124.4	165.8	223.0	111.5	85.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)